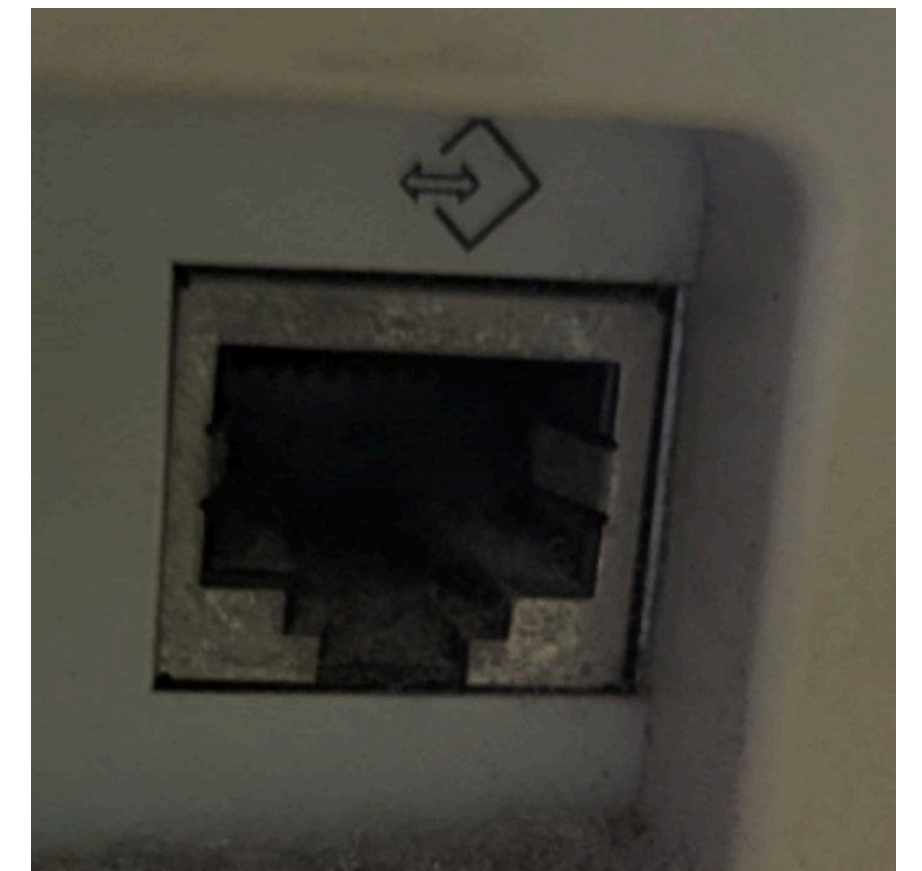


# Hospital Investigation

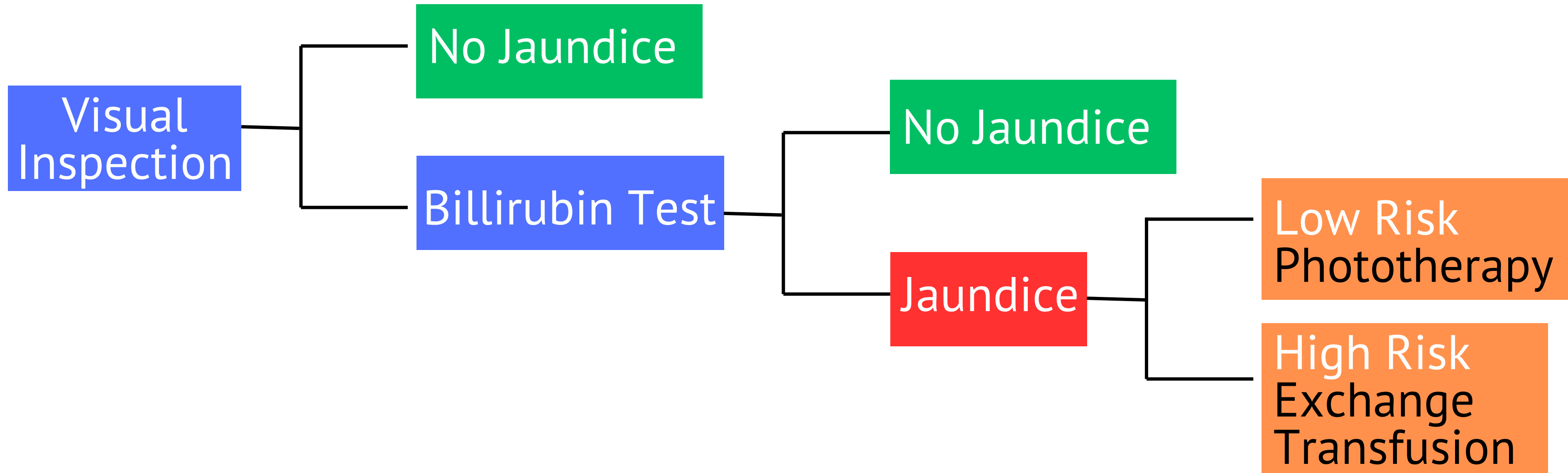


At De Soysa Hospital for Women

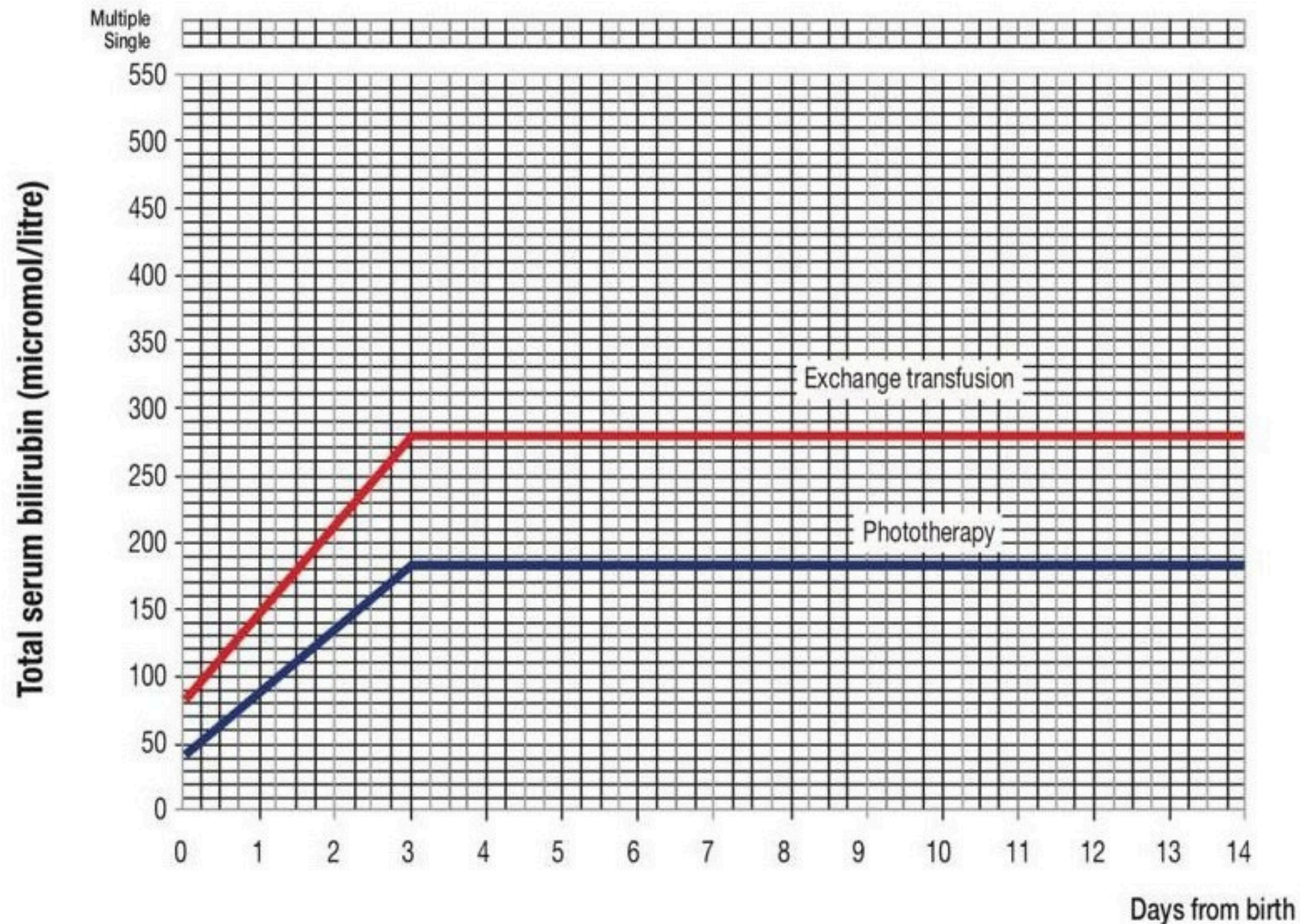
- It's difficult to visually inspect jaundiced neonates for non trained people.
- Investigated the pulseoximeter. It didn't have a USB port. So can't get the PPG signals through it.



# Neonatal Jaundice Detection Method in Hospital



# Neonatal Jaundice Detection Chart

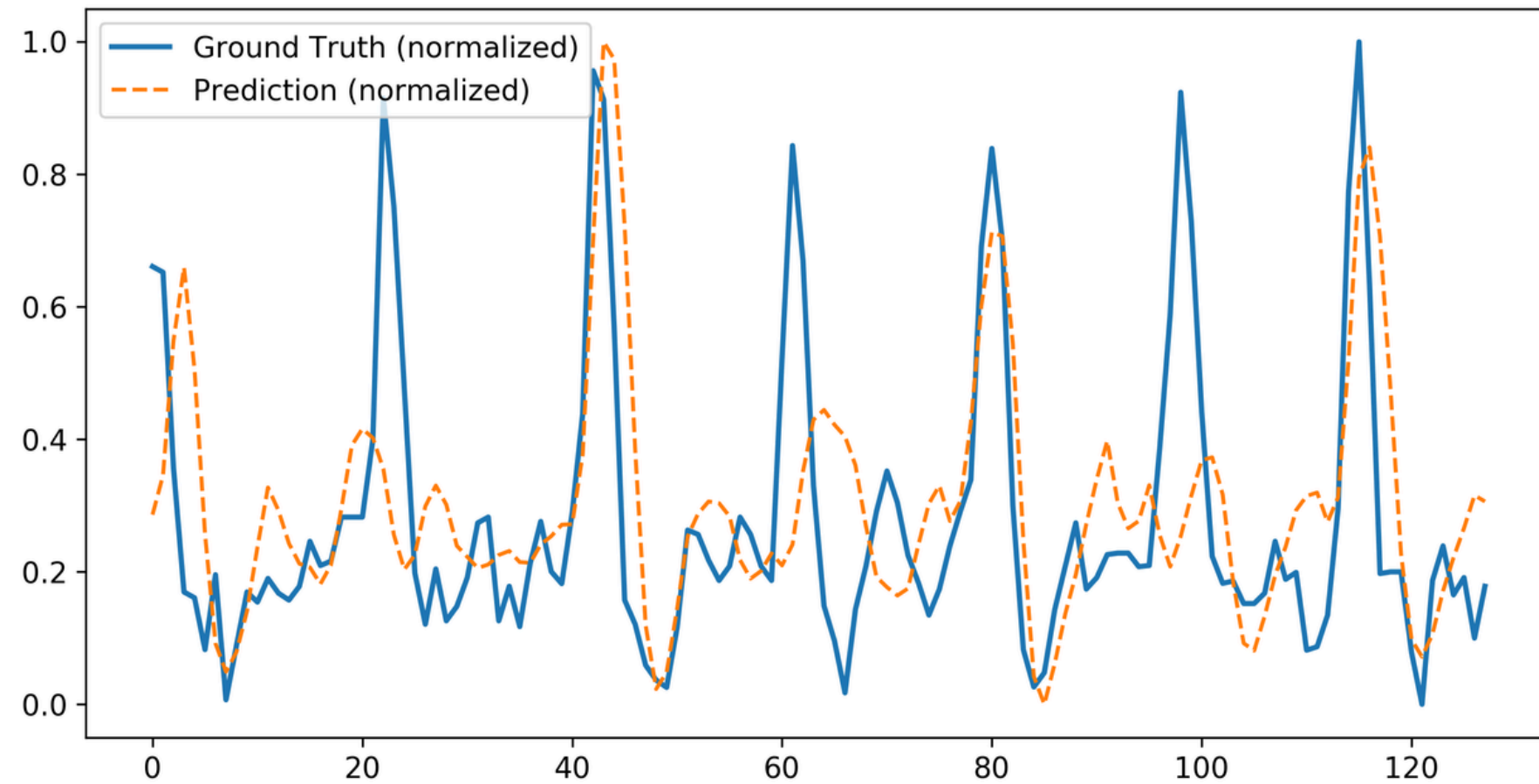


- Both bilirubin level and days from birth effect to detect jaundice status
- So when collecting data, we need to collect both the bilirubin level and days from birth.
- One issue is training data only includes jaundice status.

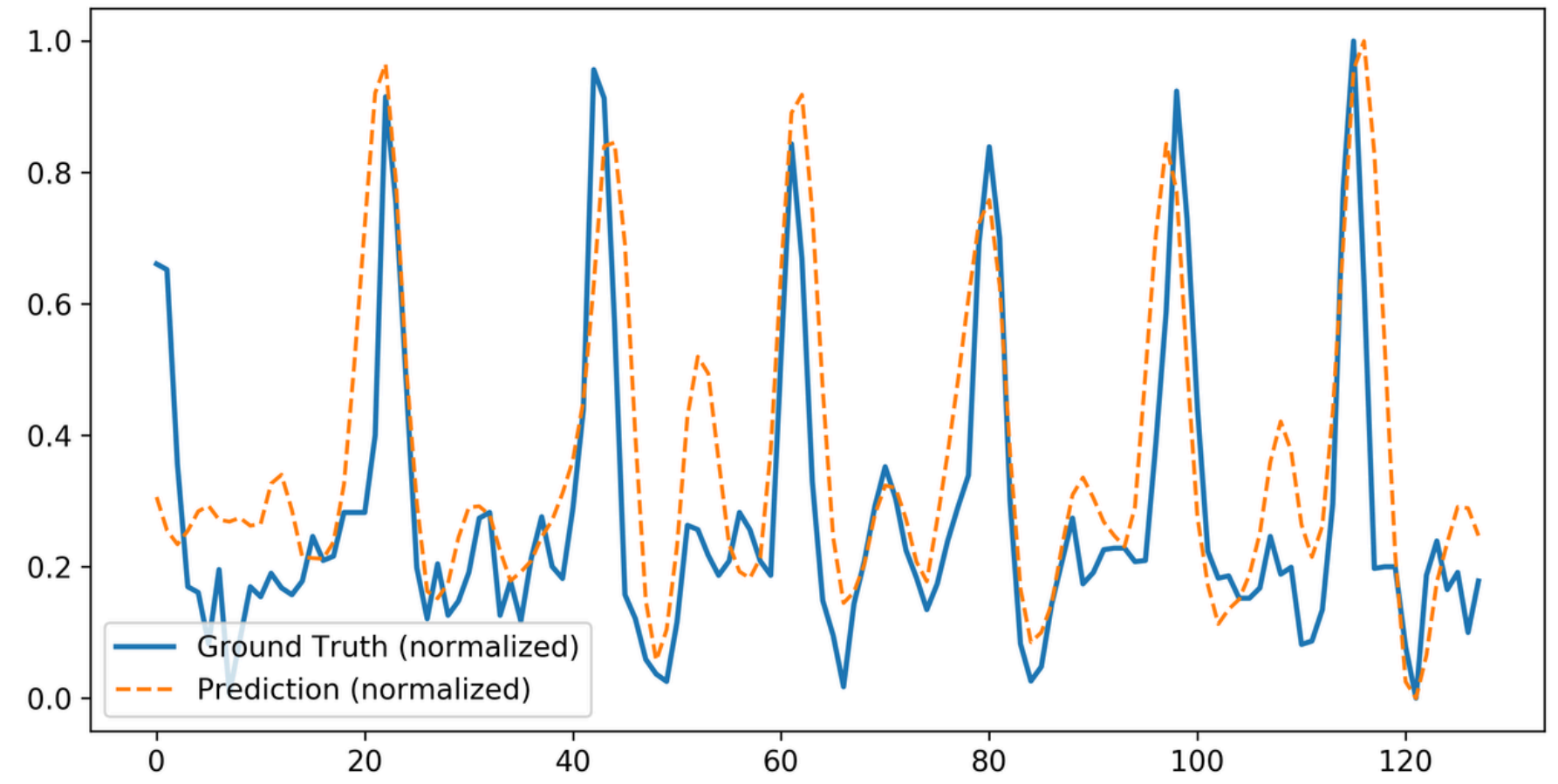
# Hospital Ethics Review Submission

- Prepared all the documents and mailed to DSHW.
- Dr.Nishani Lucas refered to the project proposal and corrected some mistakes.
- Submitted 8 physical copies to the Health Education unit of DSHW.
- Ethics Review meeting will be held on first Thursday of September.

# Inference - UBFC-rPPG Dataset

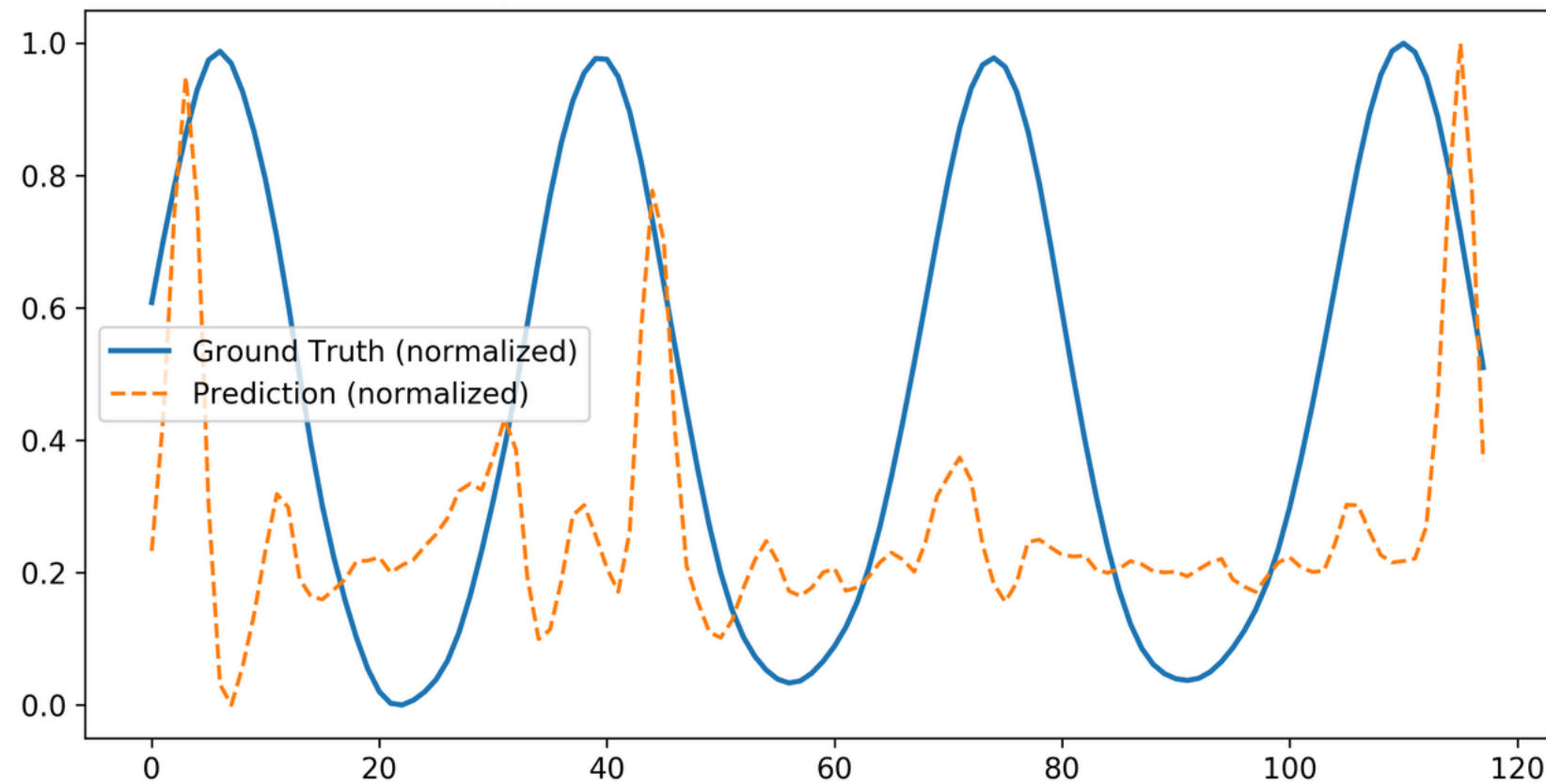


rPPG signal from Physnet Model  
(trained on PURE Dataset)

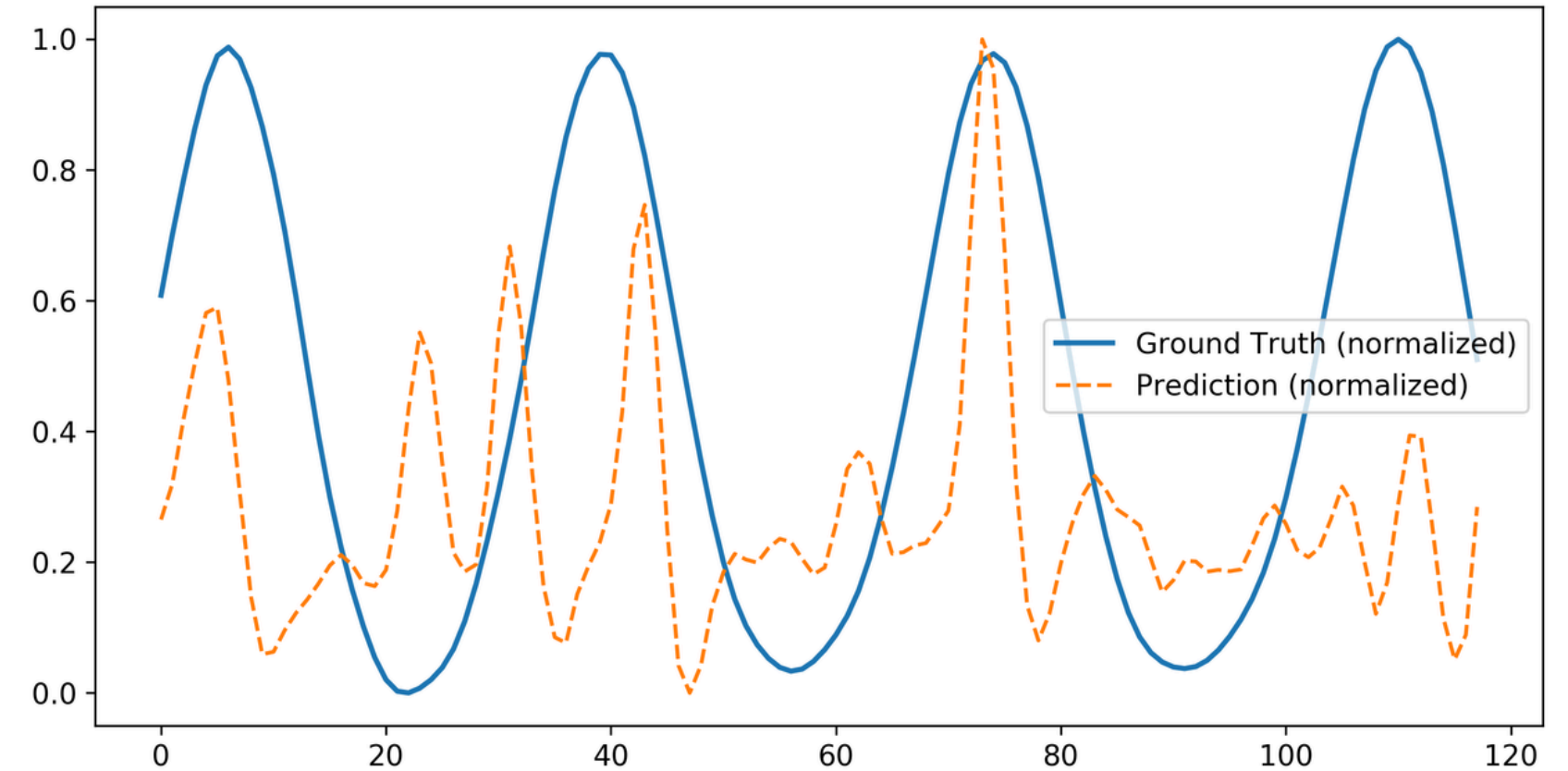


rPPG signal from PhysMamba Model  
(trained on PURE Dataset)

# Inference - NBHR Dataset



rPPG signal from Physnet Model  
(trained on PURE Dataset)



rPPG signal from PhysMamba Model  
(trained on PURE Dataset)